



PATENT  
SP00-357

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant(s):** J. Leloup et al.

**Amendment**

**Serial No.:** 10/029,738

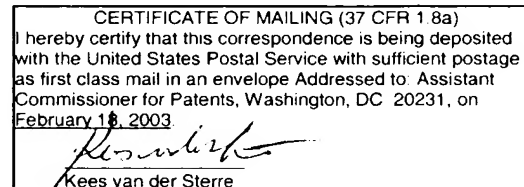
**Group Art Unit:** 1764

**Filing Date:** December 18, 2001

**Examiner:** Alexa Doroshenk

**Title:** STACKED MONOLITH REACTOR  
AND PROCESS

BOX NON-FEE AMENDMENT  
Assistant Commissioner for Patents  
Washington, DC 20231



Sir:

In response to the Office Letter mailed herein on December 18, 2002, please  
amend the above-entitled application as follows:

IN THE CLAIMS

--1.(amended) A catalytic reactor for treating a gas-liquid feed stream with  
structured monolithic catalysts of honeycomb configuration comprising:

a reactor vessel for the containment of a catalyst bed for processing a gas-liquid  
feed stream;

a catalyst bed comprising two or more sections of structured honeycomb catalyst  
disposed within the reactor vessel, the catalyst bed including at least a first  
catalyst section and a second catalyst section disposed in flow-connected  
end-to-end relationship with the first catalyst section;

each of the first and second catalyst sections having an inlet end, an outlet end,  
and a plurality of parallel open-ended honeycomb channels bounded by  
channel walls with catalytically active wall surfaces extending between the  
inlet and outlet ends, the channels of both sections being oriented along a  
common flow axis of feed stream flow through the catalyst bed;

the channels in the second catalyst section being offset from the channels in the  
first catalyst section such that at least a majority of the channels in the first  
catalyst section have outlet ends opening onto at least one channel wall  
segment and at least two adjoining channel openings at the inlet end of  
the second catalyst section.--

RECEIVED  
FEB 27 11  
1100 MAIL ROOM